DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

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85-265

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EXPLANATION

Isopachs of thickness of strata to basement in meters. Indicates the overall age of the sedimentary sequence, excluding highly deformed strata. Contour interval 1000 meters, with supplemental contours in some areas at 500, 200, or 100 meters.

- Cenozoic
- Cenozoic and Mesozoic combined
- Mesozoic
- Lower Paleozoic and Proterozoic. Off northern Australia

Basins

- Approximate boundary

Deformation

- Deformed strata

Faults

- Fault in sedimentary area
- Major subduction zone

NOTES

This is a working map prepared as a contribution to forthcoming international compilations. Users will confer a favor by advising of additional data to the author at the Pacific Marine Geology Branch, U.S. Geological Survey, Menlo Park, California. The data contoured are of variable quality. For deep-sea areas where the sediment thickness was originally given in two-way acoustic travel time, a velocity of travel time is assumed to be equal to 1 km of sediment thickness. Thickness of strata in shelf basins is based on oil-well data and on seismic and geolog[illegible]ions.

I am indebted for advice and help to Tomoyuki Moritani, Geological Survey of Japan, Masakazu Kato, Japan National Oil Corporation, Ernest P. Dubois, Committee for Coordination of Joint Prospecting For Mineral Resources in Asian Offshore Areas (CCOP), Hardi Prasetyo and Djaka Indratunone, Marine Geological Institute of Indonesia, George W. Moore and Keith Robinson, U.S. Geological Survey. Many additional contributions were received from oil-company geologists who have asked to remain anonymous.

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90°
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120°
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40°
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TAIWAN
LUZON
PALAWAN
BORNEO
SUMATRA
JAVA
SULU SEA
CELEBES SEA
SOUTH CHINA SEA
PHILIPPINE SEA
MANILA TRENCH
LUZON STRAIT
TAIWAN-LUZON MASSIF
PEARL RIVER BASIN
PEARL RIVER MOUTH BASIN
PEARL RIVER DELTA
HUANGHUA BASIN
HUANGHUA DELTA
HUANGHUA MOUTH BASIN
HUANGHUA DEPRESSION
HUANGHUA UPLIFT
HUANGHUA SLOPE
HUANGHUA TROUGH

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95° 100° 105° 110° 115° 120° 125° 130° 135° 140° 145° 150°

45° 40° 35° 30° 25° 20° 15°

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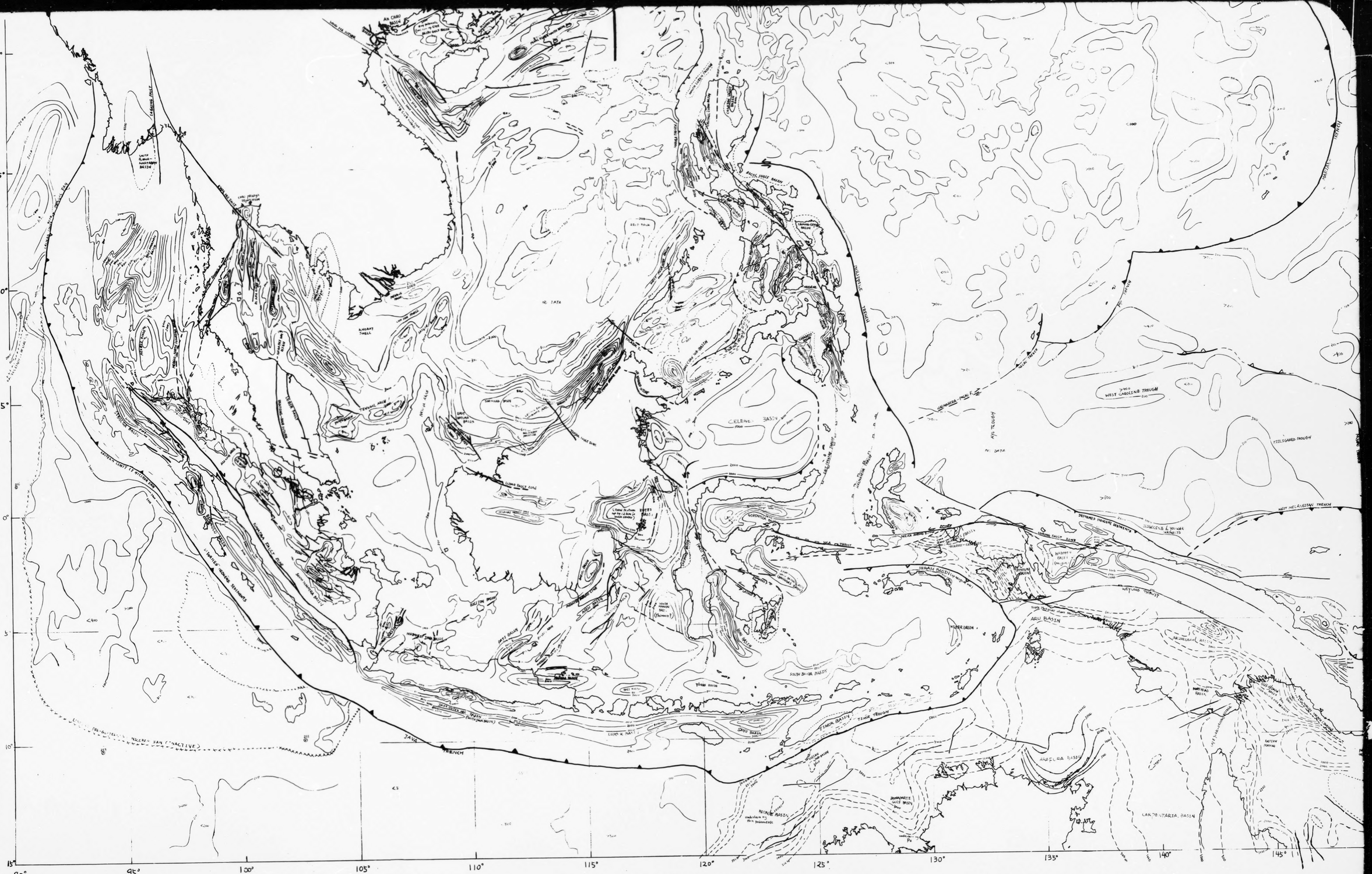

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SEDIMENTARY BASINS AT EASTERN ASIAN CONTINENTAL MARGINS AND OCEANIC REGIONS

By

Frank F.H. Wang

1984

This map is preliminar
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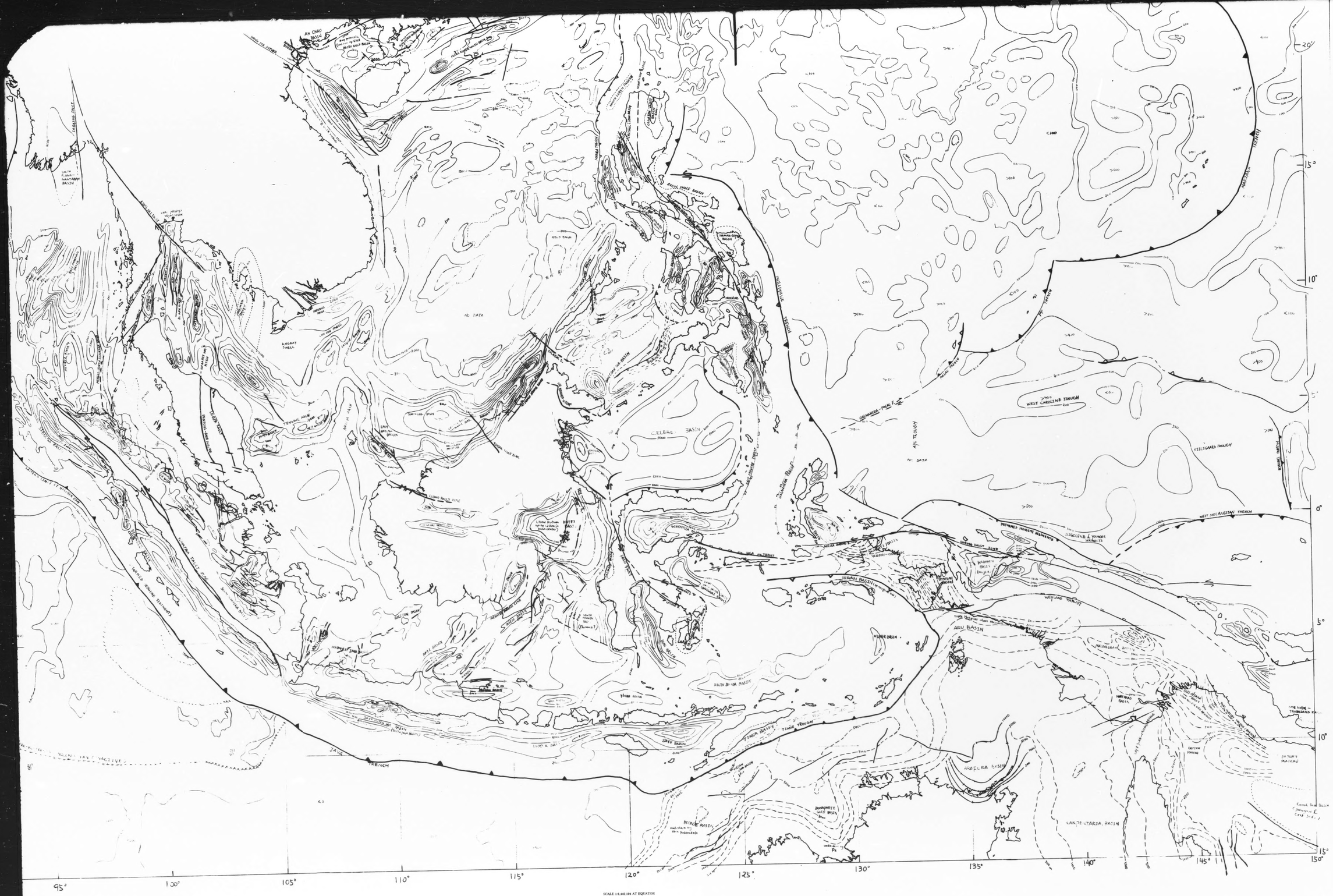

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